

GENERAL INDEX TO VOLUME XIV

New scientific names of plants and the final members of new combinations are printed in **bold face** type; synonyms and page numbers having reference to figures and plates, in *italics*; and previously published scientific names and all other matter, in ordinary type.

A

- A. & M. College, Mississippi, cotton wilt experiments at, 360, 398
Agaricus Aegerita, 139; *aureus*, 122; *aurivellus*, 152; *autumnalis*, 134; *caperatus*, 123; *dactyloctenium*, 174; *detersibilis*, 161; *flammas*, 148; *hormophorus*, 175; *Johnsonianus*, 130; *luciferus*, 162; *marginatus*, 132; *mutabilis*, 138; *praecox*, 106; *radicosus*, 175; *temnophyllus*, 112; *togularis*, 114; *unicolor*, 134
 Aluminium compounds, relation of cotton wilt to, 383, 387, 395
Aplopappus florifer, 19, var. β , 21
Aster Wrightii, 32; *excapus*, 28

B

- Bystropogon axillare*, 82; *minutus*, 83; *uniflorus*, 82

C

- Calcium, effect of, on development of cotton wilt, 395
Cercospora, species of, on *Smilax* in the United States, 425
Cercospora, 425; *Apii*, 427; *mississippiensis*, 428; *nubilosa*, 425; *Petersii*, 429; *Smilacina*, 429; *432*; *Smilacis*, 428, *430*; *subsanguinea*, 425
 Cotton, wilt-resistant strains of, 401
 Cotton wilt, a pathological and physiological investigation, 359; description of, 364; factors involved in producing, 376
Cryptantha, section *Oreocarya*, 237; *affinis*, 307; *aperta*, 295, *354*; *Bakeri*, 331, *358*; *Bradburiana*, 307, *356*; *breviflora*, 318; *caespitosa*, 281, *352*; *cana*, 316, *356*; *celosioides*, 299, *354*; *Clemensae*, 267, *350*; *confertiflora*, 256, *348*; *echinoides*, 321; *elata*, 285, *354*; *flava*, 259, *348*; *flavoculata*, 334, *358*; *fulvocanescens*, 319; *glomerata*, 307; *holoptera*, 270; *humilis*, 278, *352*; *insolita*, 273, *350*; *interrupta*, 296, *354*; *Jamesii*, 242, var. *abortiva*, 250, var. *cinerea*, 246, var. *disticha*, 248, var. *laxa*, 246,

- var. *multicaulis*, 244, *348*, var. *typica*, 248; *Jonesiana*, 323, *356*; *leucophaea*, 262, *348*; *longiflora*, 326, *358*; *Macounii*, 303, *356*; *mensana*, 333, *358*; *modesta*, 277, *352*; *nana*, 312, var. *commixta*, 312, var. *ovina*, 314, var. *Shantzii*, 313, *356*, var. *typica*, 315, *354*; *nubigena*, 265, *350*; *oblata*, 254, *348*; *Osterhoutii*, 329, *358*; *Palmeri*, 253; *paradoxa*, 330, *358*; *propria*, 317, *356*; *pterocarya*, 270; *pustulosa*, 252; *rugulosa*, 295, *354*; *salmonensis*, 263, *348*; *sericea*, 286, var. *perennis*, 288, var. *typica*, 287, *354*; *setosissima*, 268, *350*; *Sheldonii*, 301, *354*; *sobolifera*, 305, *356*; *spiculifera*, 298, *354*; *stricta*, 264, *350*; *suffruticosa*, 242; *tenuis*, 327, *358*; *thyrsiflora*, 283, *352*; *tumulosa*, 276, *352*; *utahensis*, 270; *virgata*, 270, *350*; *virginensis*, 274, *352*; *Wetherillii*, 324, *358*

Cynoglossum glomeratum, 307

D

- Dioscorea villosa*, 425

E

- Epling, Carl C. Studies on South American Labiatae, III, 47
Erigeron florifer, 19
Eritrichium section *Pseudomyosotis*, 237
Eritrichium fulvocanescens, 319; *glomeratum*, 303, 307, var. *fulvocanescens*, 278, var. *hispidissimum*, 283, var. *humile*, 278, 287, var. *virgatum*, 270; *Jamesii*, 248; *leucophaeum*, 262; *multicaule*, 244; *setosissimum*, 268; *virgatum*, 270

F

- Fertilizers, commercial, effect of, on development of cotton wilt, 396
Flammula pulchrifolia, 148; *unicolor*, 136; *viridans*, 148
 Fungicides used in cotton wilt experiments, 362

Fusarium vasinfectum, 360; morphological and cultural characters of, 364; pathogenicity of, 382; physiological studies of, 366

G

Gardouia, 47; *acutifolia*, 63; *argentea*, 71; *breviflora*, 59; *chilensis*, 56; *discolor*, 62; *elliptica*, 54; *fasciculata*, 72; *foliolosa*, 61; *Gilliesii*, 56; *glabrata*, 66; *incana*, 64; *Jamesonii*, 69; *microphylla*, 70; *multiflora*, 53; *obovata*, 58; *revoluta*, 74; *rugosa*, 76; *salviaefolia*, 84; *sericea*, 73; *striata*, 68; *tazifolia*, 67; *thymoides*, 61; *tomentosa*, 60

H

Hartwell & Pember's nutrient solution, 389
Hebeloma hortense, 105, 107
Helminthosporium Petersii, 429
Hesperothymus of *Satureia*, 50
Hydrogen-ion concentration, effect of, on germination of fungi, 370
Hypodendrum oregonense, 140

I

Iron compounds, relation of, to cotton wilt, 383, 395

K

Krynitzkia depressa, 277; *echinoides*, 321; *fulvocanescens*, 319, var. *idahoensis*, 317; *glomerata*, 307, var. *acuta*, 324, var. *virginensis*, 274; *Jamesii*, 248; *leucophaea*, 262, var. *alata*, 256; *mensana*, 333; *multicaulis* var. *abortiva*, 250, var. *setosa*, 244; *oblata*, 254; *Palmeri*, 253; *pustulata*, 307; *sericea*, 287, 316; *setosissima*, 268; *virgata*, 270
Krynitzkia, section *Pterygium*, 237, section *Pseudokrynitzkia*, 237

L

Labiatae, Studies on South American, III, 47
Larsen, Esther L. A revision of the genus *Townsendia*, 1

M

Maianthemum canadense, 425
Micromeria, 47; *boliviana*, 80; *bonariensis*, 84; *Darwintii*, 78; *eugenioides*, 83; *Gilliesii*, 83; *nubigena*, 76; *pasilla*, 79; *pulchella*, 84

Micromeria section *Hesperothymus*, 50
Moisture conditions, effect of, on cotton wilt, 377

Monograph of the genus *Pholiota* in the United States, 87

Monograph of the section *Oreocarya* of *Cryptantha*, 211

Myosotis glomerata, 307; *leucophaea*, 262; *suffruticosa*, 242, 248

N

Neal, David C. Cotton wilt: a pathological and physiological investigation, 359

Neocosmospora vasinfecta, 360

Nitrogen, effect of, on development of cotton wilt, 393, 395

Nutrition, effect of, upon the development of cotton wilt, 389

O

Oreocarya of *Cryptantha*, a monograph of the section, 211

Oreocarya, 237; *abortiva*, 250; *affinis*, 307, var. *perennis*, 288; *alata*, 256; *aperta*, 295; *argentea*, 287; *Bakeri*, 331; *breviflora*, 318; *caespitosa*, 281; *cana*, 316; *celosoides*, 299, 301; *cilio-hirsuta*, 298; *cinerea*, 246; *commixta*, 312; *confertiflora*, 256; *cristata*, 334; *depressa*, 277; *disticha*, 248; *dolosa*, 313; *dura*, 283; *Eastwoodae*, 334; *echinoides*, 278, 321; *elata*, 285; *eulophus*, 331; *flava*, 259; *flavoculata*, 334, var. *spatulata*, 334; *fulvocanescens*, 319; *glomerata*, 301, 307; *gypsophila*, 330; *hispida*, 278; *hispidissima*, 254, 283; *holoptera*, 270; *horridula*, 326; *humilis*, 278; *insolita*, 273; *interrupta*, 296; *Jonesiana*, 323; *Lemmoni*, 246; *leucophaea*, 262, var. *confertiflora*, 256; *longiflora*, 326; *lutea*, 256; *lutescens*, 259; *Macbridii*, 278; *Macounii*, 303; *mensana*, 333; *monosperma*, 283; *multicaulis*, 244, var. *cinerea*, 246, var. *laza*, 246; *nana*, 312, 315; *nitida*, 319; *nubigena*, 265; *oblata*, 255; *Osterhoutii*, 329; *Palmeri*, 253; *paradoxa*, 330; *Paysonii*, 255; *perennis*, 288, 307; *procera*, 287; *propria*, 317; *pustulosa*, 252; *rugulosa*, 295; *salmonensis*, 263; *sericea*, 287, 301; *setosissima*, 268; *Shantzii*, 313; *Sheldoni*, 301; *Shockleyi*, 334; *spicata*, 270; *spiculifera*, 298; *stricta*, 264; *suffruticosa*, 248, var. *abortiva*, 250, var. *cinerea*, 246, var. *multicaulis*, 244; *tenuis*, 327; *thyrsiflora*, 283; *tumulosa*, 276; *urticacea*, 283; *virgata*, 270, forma *spicata*, 270; *virginensis*, 274; *Wetherillii*, 324

Overholts, L. O. A monograph of the genus *Pholiota* in the United States, 87; Species of *Cercospora* on *Smilax* in the United States, 425

P

Payson, E. B. A monograph of the section *Oreocarya* of *Cryptantha*, 211
Pholiota, a monograph of the genus, in the United States, 87

Pholiota, 99; *Acericola*, 108, 182; *adiposa*, 154, 202, 204; *Aegerita*, 139; *Aegerita* var. *strobiloidea*, 140; *aeruginosa*, 147, 198; *aggericola*, 119, 121, 174; *albivelata*, 128; *albobrenulata*, 150, 200; *angustipes*, 166, 208; *anomala*, 127; *appendiculata*, 174; *aurea*, 121, 186; *aurivella*, 152, 210; *aurivelloloides*, 151; *autumnalis*, 134, 174; *blattaria*, 113; *caperata*, 123, 188; *cerasina*, 141; *comosa*, 169, 174; *confragosa*, 160, 206, 208; *curvipes*, 164; *dactyliota*, 174; *destruens*, 168; *detersibilis*, 161, 174; *discolor*, 135, 192; *dura*, 105, 174, var. *xanthophylla*, 105; *duroidea*, 129; *erebia*, 118, 184; *erina-ceella*, 161; *filaris*, 116; *flammans*, 148, 200; *fulvo-squamosa*, 167, 188; *furcata*, 136; *heteroclita*, 169, 174; *hormophora*, 174; *Howeana*, 110; *indecens*, 121, 175; *Johnsoniana*, 130; *limonella*, 163; *lucifera*, 162; *lutea*, 145, 175; *luteofolia*, 143; *luxurians*, 175; *marginata*, 132, 190; *marginella*, 137; *McMurphyi*, 124; *minima*, 125; *mollicula*, 175; *muricata*, 161, 190; *mutabilis*, 138; *mycenoides*, 115; *ombrophila*, 120; *oregonense*, 140; *ornella*, 175; *platyphylla*, 117; *praecox*, 106, 180; *radicosa*, 175; *rigidipes*, 158; *rubecula*, 142; *rugosa*, 115, 192; *sabulosa*, 175; *Schraderi*, 159; *speciosa*, 175; *spectabilis*, 144, 194, 196; *sphaleromorpha*, 109, 111, 175; *squarrosa*, 157, 204; *squarrosoides*, 155, 206; *subnigra*, 120; *subsquarrosa*, 151, 156, 176; *temnophylla*, 112; *terrestris*, 126; *terrigena*, 127, 176; *togularis*, 114, 192; *togularis* var. *filaris*, 116; *trachyspora*, 125; *tuberculosa*, 164, 190; *unicolor*, 134; *ventricosa*, 146, 176; *vermiflua*, 104, 178; *villosa*, 176; *washingtonensis*, 119, 121, 176

Phosphorus, effect of, on development of cotton wilt, 392, 395

Poplarville Experiment Station, Mississippi, cotton wilt experiments at, 398

Potash, effect of, on development of cotton wilt, 397

Potassium, effect of, on development of cotton wilt, 392, 395

R

Revision of the genus *Townsendia*, 1

Risoa, 47; *ovatifolia*, 53

Rochelia *glomerata*, 307

S

Satureia, synopsis of the genus, 47

Satureia acutifolia, 63; *Andrei*, 67; *argentea*, 71; *axillaris*, 82; *boliviana*, 80, var. *tarijense*, 81; *bonariensis*, 84; *brevicalyx*, 82; *breviflora*, 59; *Brownei*, 51, subsp. *eubrownei*, 51; *chilensis*, 56; *connata*, 70; *Darwinii*, 78; *discolor*, 62; *elliptica*, 54; *ericoides*, 70; *eugenioides*, 83; *fasciculata*, 72; *foliolosa*, 61; *Gilliesii*, 56; *Gilliesii*, 83; *glabrata*, 66; *guamanensis*, 58; *insignis*, 74; *Jamesoni*, 69; *Kuntzeana*, 80; *Lindeniana*, 75; *Loesneriana*, 55; *mantaroensis*, 63; *Matthewsii*, 57; *microphylla*, 70; *multiflora*, 53; *nubigena*, 76, var. *glabrescens*, 78; *obovata*, 58; *oligantha*, 83; *pallida*, 65; *Pavoniana*, 64; *plicatula*, 69; *pusilla*, 79; *revoluta*, 74; *rigidula*, 72; *rugosa*, 75; *sericea*, 73; *simulans*, 81; *striata*, 68; *taxifolia*, 67; *thymoides*, 61; *tomentosa*, 60; *vana*, 79; *Weberbaueri*, 72

Smilax, species of *Cercospora* on, in the United States, 425

Stachys speciosa, 54

Stenotus florifer, 19, var. *β*, 21

Stropharia Howeana, 110; *Schraderi*, 159

Studies on South American Labiatae, III, 47

T

Temperature, influence of, on cotton wilt, 366

Thymus, 47; *Brownei*, 51; *humifusus*, 76; *nubigenus*, 76; *taxifolius*, 67

Townsendia, a revision of the genus, 1

Townsendia, 8; *alpigena*, 17; *alpina*, 22;

ambigua, 21; *arizonica*, 27; *arizonica*

× *incana*, 27; *Bakeri*, 16; *condensata*,

22; *dejecta*, 17; *eximia*, 12, 42; *ex-*

scapa, 28, 46; *exscapa*, 31, 46, var.

Vilcoziana, 29; *Fendleri*, 24; *florifer*,

19, 42; *florifer* var. *communis*, 19;

formosa, 11, 36, 42; *Fremontii*, 26;

glabella, 16; *grandiflora*, 13; *incana*,

25; *incana* var. *ambigua*, 26, var.

protiza, 26; *intermedia*, 29; *leptotes*, 28;

leptotes, 27; *mensana*, 30; *mexicana*,

23; *montana*, 17; *Parryi*, 9; *Parryi*

var. *alpina*, 22; *pinetorum*, 11; *Roth-*

rockii, 16; scapigera, 20; *scapigera*
var. *ambigua*, 21, var. *caulescens*, 21;
sericea, 30, 44, 46; *sericea*, 28, 44, 46,
var. *leptotes*, 27, 8 *papposa*, 29;
spathulata, 22; strigosa, 24, 40;
strigosa, 18, 19; **texensis**, 15, 38;
Vreelandii, 12; Watsoni, 18; *Wil-*
coziana, 29; *Wrightii*, 32

Toxic substances in cotton wilt fungus,
330

X

Xenopoma, 47, 76; *bolivianum*, 80, var.
tarijense, 81; *eugenioides*, 83

